



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 138220

TO: Jon E Angell
Location: REM-2C18
Art Unit: 1635
Thursday, November 18, 2004
Case Serial Number: 10/023317

From: Paul Schulwitz
Location: Biotech-Chem Library
REM-1A65
Phone: (571)272-2527

paul.schulwitz@uspto.gov

Search Notes

Examiner Angell,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Paul Schulwitz
Technical Information Specialist
STIC Biotech/Chem Library
(571)272-2527



SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Jon Eric Angell Examiner #: 78697 Date: 11-15-04
 An Unit: 1635 Phone Number ~~30~~ 2-0756 Serial Number: 10/023,317
 Mail Box and Bldg/Room Location: REMA2020 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): Patrick Chel

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

*See attached claims - discussed search requirements
with STIC Searcher (Barb O'Byrne)*

STAFF USE ONLY**Type of Search****Vendors and cost where applicable**

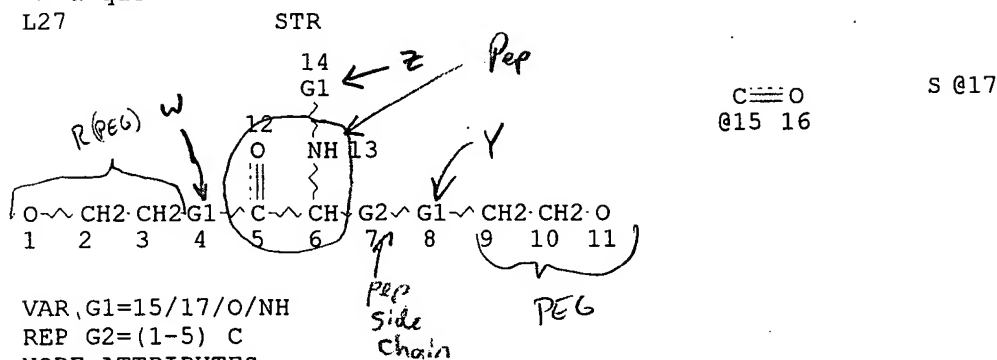
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Chemical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time _____	Other _____	Other (specify) _____

Following example
on p. 15 of claims

Angell110/023,317

11/18/2004

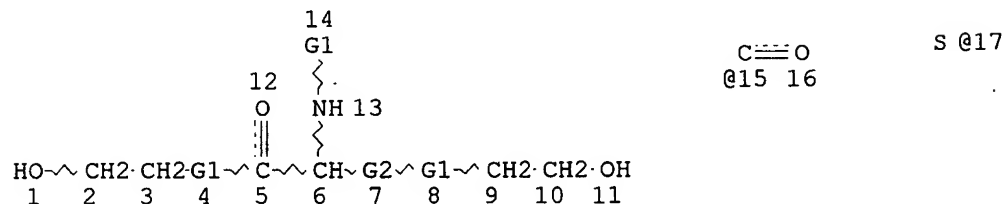
=> d que
L27



VAR,G1=15/17/O/NH
REP G2=(1-5) C
NODE ATTRIBUTES:
CONNECT IS E2 RC AT 17
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE
L29 1039865 SEA FILE=REGISTRY ABB=ON PLU=ON PMS/CI
L31 56 SEA FILE=REGISTRY SUB=L29 SSS FUL L27
L32 STR



VAR G1=15/17/O/NH
REP G2=(1-5) C
NODE ATTRIBUTES:
CONNECT IS E2 RC AT 17
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE
L33 6 SEA FILE=REGISTRY SUB=L31 SSS FUL L32
L35 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L33

=> d l35 ibib abs hitstr 1-5

L35 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:12528 .HCAPLUS
DOCUMENT NUMBER: 134:91177

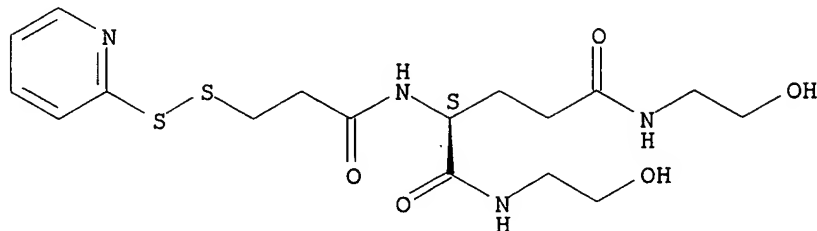
TITLE: Combinations for introducing nucleic acids into cells
for gene therapy
INVENTOR(S): Plank, Christian; Stemberger, Axel; Scherer, Franz
PATENT ASSIGNEE(S): Germany
SOURCE: PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

App 1-5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001000708	A1	20010104	WO 2000-EP5778	20000621
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1063254	A1	20001227	EP 1999-112260	19990625
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19956502	A1	20010531	DE 1999-19956502	19991124
CA 2377207	AA	20010104	CA 2000-2377207	20000621
EP 1198489	A1	20020424	EP 2000-936907	20000621
EP 1198489	B1	20040428		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003503370	T2	20030128	JP 2001-506715	20000621
AT 265488	E	20040515	AT 2000-936907	20000621
US 2003026840	A1	20030206	US 2001-23317	20011217
PRIORITY APPLN. INFO.:				
			EP 1999-112260	A 19990625
			DE 1999-19956502	A 19991124
			WO 2000-EP5778	W 20000621
AB	The invention relates to combinations of a carrier and a complex, which consists of a nucleic-acid mol. and a copolymer to be used as drug delivery system in gene therapy. Said copolymer consists of an amphiphilic polymer, preferably polyethylene glycol and a charged effector mol., in particular, a peptide or peptide derivative. The invention also relates to the use of the combinations for transferring nucleic acid mols. into cells. The carrier is non-biodegradable or biodegradable, e.g. collagen. Copolymer-protected gene vectors were used to transfect cells and also applied as implants.			
IT	316381-65-4P 316381-71-2P RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (combinations for introducing nucleic acids into cells for gene therapy)			
RN	316381-65-4 HCAPLUS			
CN	Pentanediamide, N,N'-bis(2-hydroxyethyl)-2-[[1-oxo-3-(2-pyridinyldithio)propyl]amino]-, (2S)-, homopolymer (9CI) (CA INDEX NAME)			
CM	1			

CRN 316381-64-3
CMF C17 H26 N4 O5 S2

Absolute stereochemistry.

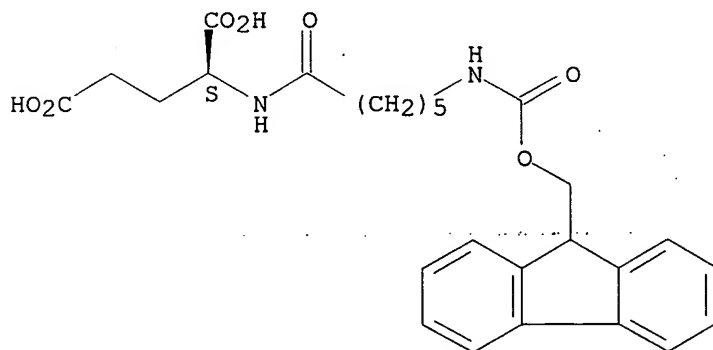


RN 316381-71-2 HCAPLUS
CN L-Glutamic acid, N-[6-[[(9H-fluoren-9-ylmethoxy) carbonyl] amino]-1-oxohexyl]-, polymer with (2S)-N,N'-bis(2-hydroxyethyl)-2-[[[1-oxo-3-(2-pyridinyldithio)propyl]amino]pentanediamide (9CI) (CA INDEX NAME)

CM 1

CRN 316381-69-8
CMF C26 H30 N2 O7

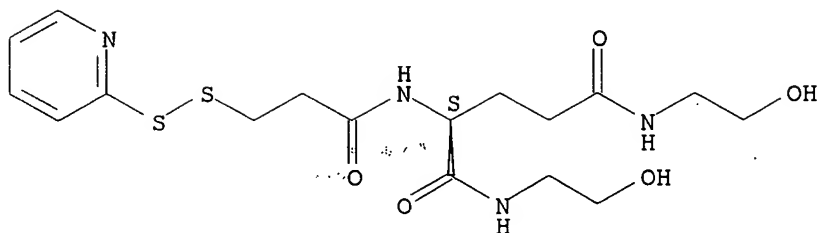
Absolute stereochemistry.



CM 2

CRN 316381-64-3
CMF C17 H26 N4 O5 S2

Absolute stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1985:597695 HCAPLUS

DOCUMENT NUMBER: 103:197695

TITLE: Surfactants with amino linkage between the hydrophilic and hydrophobic groups. I. Synthesis of various types of surfactants from N-acyl- α -amino acids and their properties

AUTHOR(S): Kuwamura, Tsunehiko; Aoki, Osamu; Suto, Nobukazu

CORPORATE SOURCE: Fac. Technol., Gunma Univ., Kiryu, Japan

SOURCE: Yukagaku (1985), 34(8), 626-33

CODEN: YKGKAM; ISSN: 0513-398X

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

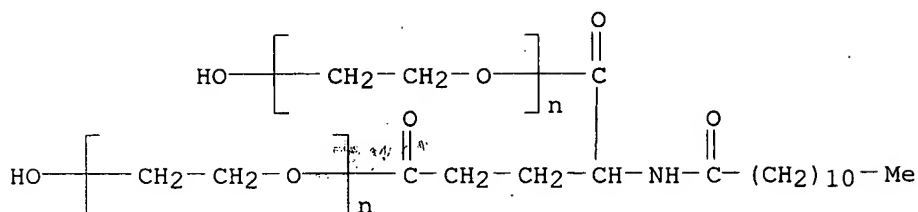
AB Four series [anionic, cationic, zwitterionic, and polyoxyethylene (POE) nonionic] of surfactants with peptide linkages were prepared from various N-dodecanoyl- α -amino acids. The aqueous properties [Krafft point, cloud point, critical micelle concentration (CMC), surface tension] and gross effects (foaming, emulsifying, detergency) of these products were examined and compared with those of surfactants without peptide linkages for each series. The effects of peptide linkages on aqueous properties depended primarily on the hydrophobicity of the α -amino acid used. Glycine and alanine linkages generally caused an increase in hydrophilicity and a slight change in CMC and surface tension for all series studied. Some nonionics having hydrophilic peptide linkages and shorter POE chains had both Krafft and cloud points at 20- \approx 90° and exhibited high surface activity. These nonionics were effective oil-water emulsifying agents against relatively polar oils and showed good detergency. The surfactants with peptide linkages were highly biodegradable.

IT 69813-72-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and surfactant properties of)

RN 69813-72-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α,α' -[1,5-dioxo-2-[(1-oxododecyl)amino]-1,5-pentanediyl]bis[ω -hydroxy-, (S)- (9CI) (CA INDEX NAME)



L35 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1979:144244 HCAPLUS

DOCUMENT NUMBER: 90:144244

TITLE: Antistatic agents for photographic materials

INVENTOR(S): Yoneyama, Shozo; Tsuji, Nobuo; Sugimoto, Naohiko

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 53129623	A2	19781111	JP 1977-44964	19770419
JP 57018177	B4	19820415		

PRIORITY APPLN. INFO.: JP 1977-44964 19770419

AB Polyoxyethylene alc. esters of N-acyl- α -amino acids are used as photog. antistatic agents. Thus, a compound of the formula $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_{10}\text{COCH}_2\text{CH}_2\text{CH}(\text{NHCOC}_{11}\text{H}_{23})\text{CO}_2(\text{CH}_2\text{CH}_2\text{O})_{10}\text{H}$ 55 mg/m² was added to the protective layer of a Ag halide photog. film. The photog. film did not show any static marks even when the surface was rubbed with a rubber roller.

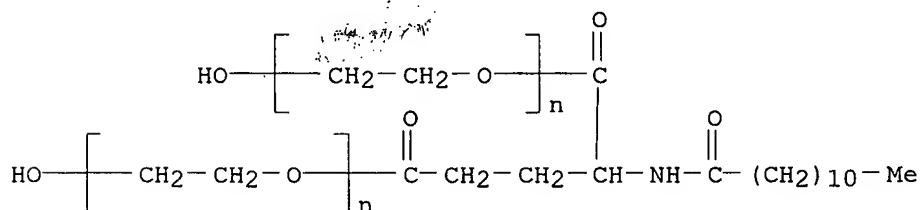
IT 69813-72-5

RL: USES (Uses)

(coatings, antistatic, for silver halide photog. films)

RN 69813-72-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α, α' -[1,5-dioxo-2-[(1-oxododecyl)amino]-1,5-pentanediyl]bis[ω -hydroxy-, (S)- (9CI) (CA INDEX NAME)



L35 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1976:140612 HCAPLUS

DOCUMENT NUMBER: 84:140612
 TITLE: Skin cosmetics containing N-lower acyl amino acid diesters
 INVENTOR(S): Ichikawa, Tomomichi; Fukami, Shigetoshi; Saito, Tadaomi; Ninagawa, Sadayoshi
 PATENT ASSIGNEE(S): Nihon Emurujon K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49092237	A2	19740903	JP 1973-1055	19721229
JP 60020361	B4	19850521		

PRIORITY APPLN. INFO.: JP 1973-1055 19721229

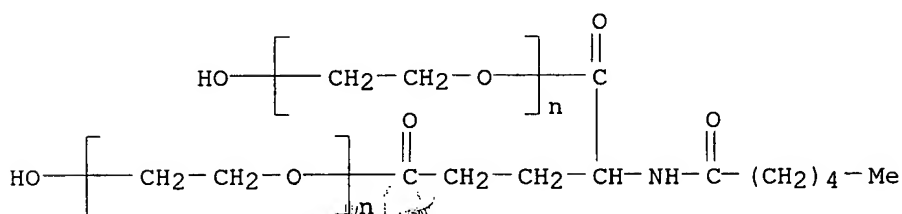
AB N-lower acyl amino acid diesters (acyl = C1-7; esters = higher alcs., polyoxyalkylene glycol higher alc. ethers, or polyalkylene glycol higher fatty acid monoesters) were added to skin cosmetics to improve the quality and cosmetic appeal. Thus, a cold cream contained liquid paraffin 36.5, petrolatum 10, solid paraffin 7.0, N-caproyl-L-glutamic acid dicetyl ester [58830-14-1] 5.0 purified lanolin 0.9, cetyl alc. 1.9, polyethylene glycol stearic acid diester 1.6, polyoxyethylene stearyl ether 4.5, polyoxyethylene cetyl ether 0.4, polyethylene glycol 0.2, Na lauryl sulfate 0.05, Na dehydroacetate 0.05, ion-exchanged H2O 31.5 and perfume 0.4%.

IT 58831-70-2

RL: BIOL (Biological study)
 (cosmetic containing)

RN 58831-70-2 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α, α' -[1,5-dioxo-2-[(1-oxohexyl)amino]-1,5-pentanediyl]bis[ω -hydroxy-, (S)- (9CI) (CA INDEX NAME)



L35 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1968:463554 HCAPLUS

DOCUMENT NUMBER: 69:63554

TITLE: Poly(vinyl carbamates) useful in photographic elements

INVENTOR(S): Minsk, Louis M.; Abel, Edward P.

PATENT ASSIGNEE(S): Eastman Kodak Co.

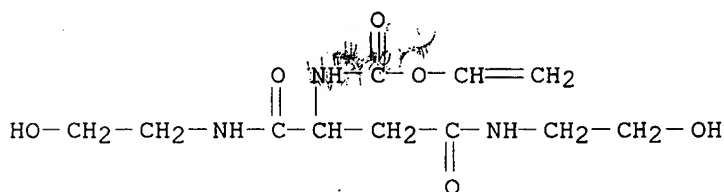
SOURCE: U.S., 4 pp. Division of U.S. 3316097

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3392151	A	19680709	US 1966-619104	19661227
PRIORITY APPLN. INFO.:			US 1966-619104	19661227
AB	Division of U.S. 3,316,097 (CA 67:59594h). The disclosure is the same but the claims are different.			
IT	29223-67-4 29223-68-5			
RL	USES (Uses) (in photographic emulsion for increased covering power)			
RN	29223-67-4 HCAPLUS			
CN	Carbamic acid, [1,2-bis[(2-hydroxyethyl)carbamoyl]ethyl]-, vinyl ester, polymers (8CI) (CA INDEX NAME)			
CM	1			
CRN	45242-55-5			
CMF	C11 H19 N3 O6			



RN 29223-68-5 HCAPLUS
 CN Carbamic acid, [1,3-bis[(2-hydroxyethyl)carbamoyl]propyl]-, vinyl ester, polymers (8CI) (CA INDEX NAME)

CM 1

CRN 45259-09-4
 CMF C12 H21 N3 O6

